

## Atmospheric nitrogen deposition on a forest watershed in the Hokuriku district

ITOH, Yuko<sup>1\*</sup> ; OGURA, Akira<sup>2</sup> ; TAKASE, Keiji<sup>3</sup>

<sup>1</sup>FFPRI, <sup>2</sup>Research Center for Agricultural and Forestry, Ishikawa Prefecture, <sup>3</sup>Ishikawa Prefecture University

Increase of air pollutant inflow from Asian continent with the rapid economic development is concerned about its influence on the environment. In future, in the forested area of the Hokuriku district, the disturbance of elements cycling such as nitrogen saturation may occur as well as surrounding area in the Kanto region. Therefore it is necessary to elucidate the influence on elements cycling within forest ecosystems in these area. However, it was difficult to observe the elements dynamics in forest watersheds through the year due to the heavy snowfall. In this study, we investigated the atmospheric deposition of nitrogen through rainfall and snowfall to a small forest catchment in Ishikawa prefecture.